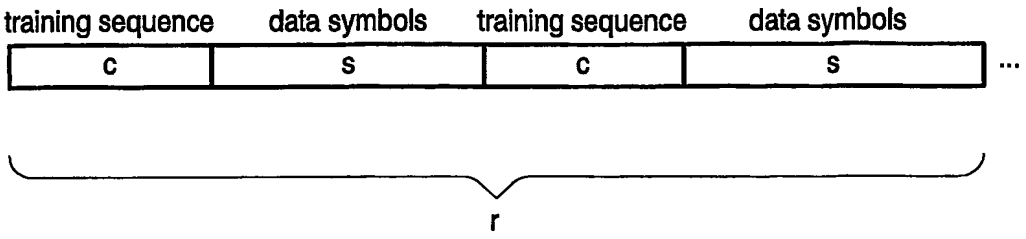


FIG. 1
prior art

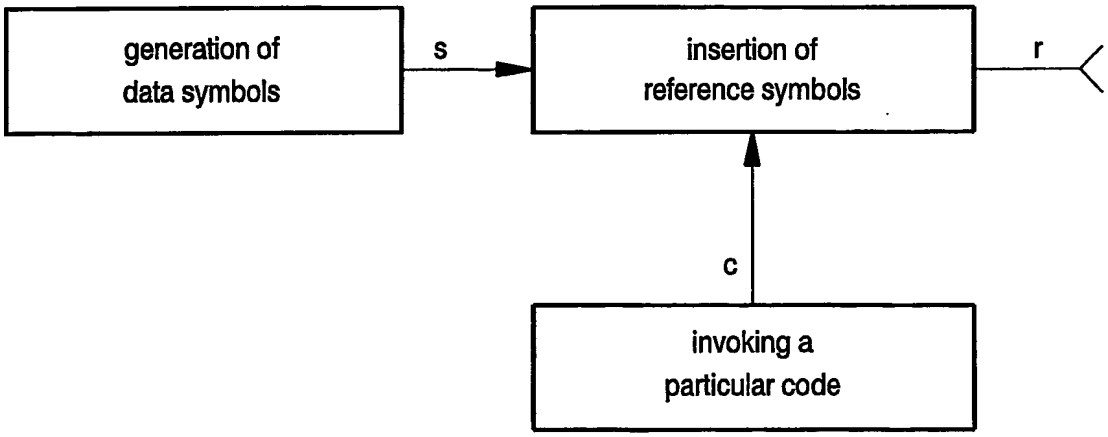


FIG. 2a
prior art

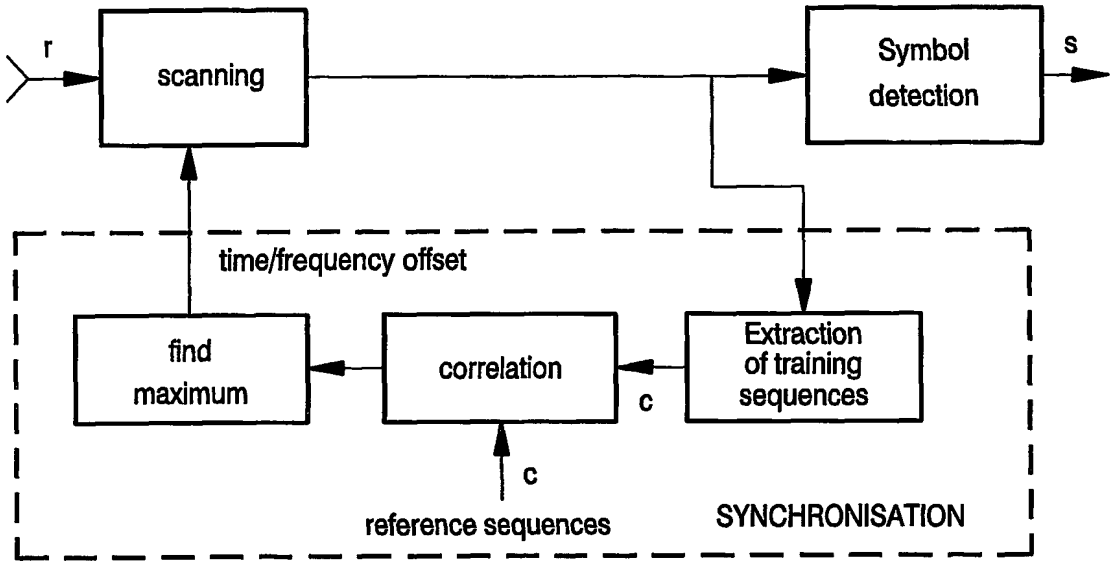


FIG. 2b
prior art

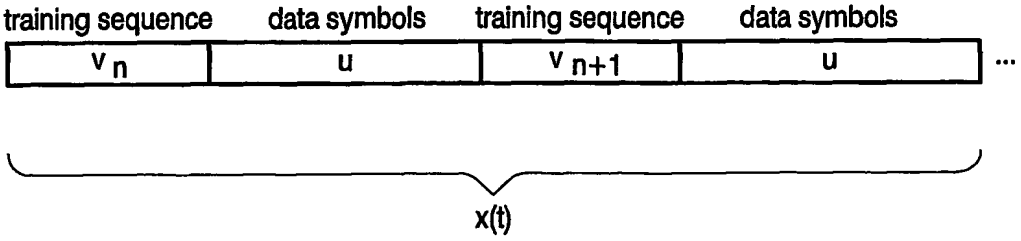


FIG. 3

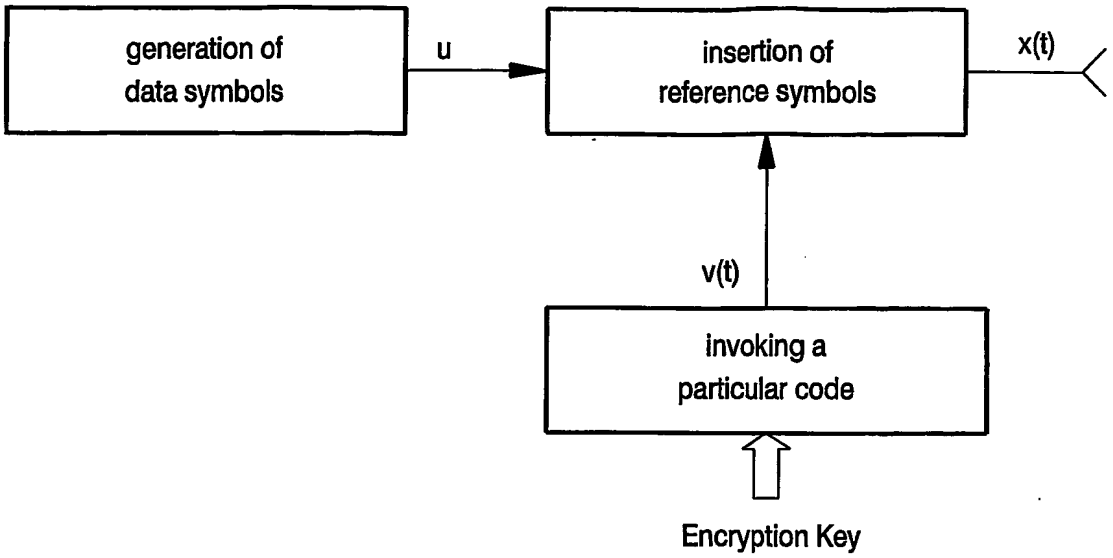

generation of data symbols
u
insertion of reference symbols
x(t)
v(t)
invoking a particular code
Encryption Key

FIG. 4a

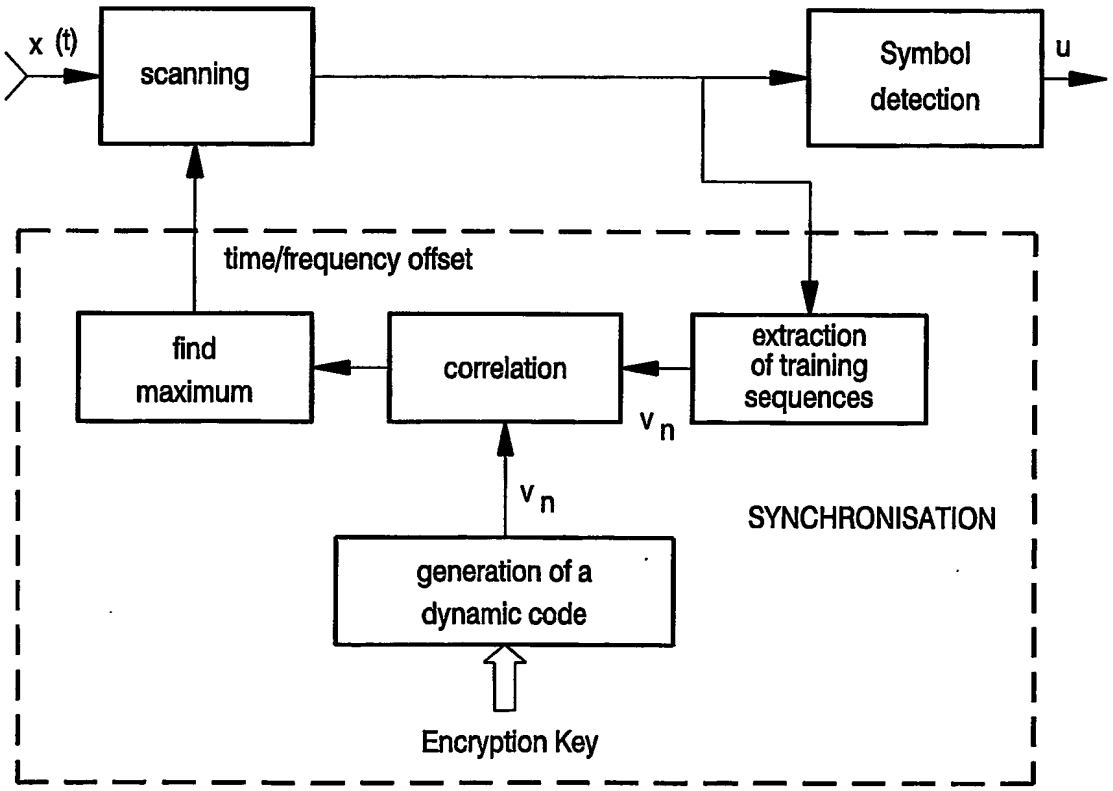

x (t)
scanning
Symbol detection
u
time/frequency offset
find maximum
correlation
extraction of training sequences
v n
v n
SYNCHRONISATION
generation of a dynamic code
Encryption Key

FIG. 4b

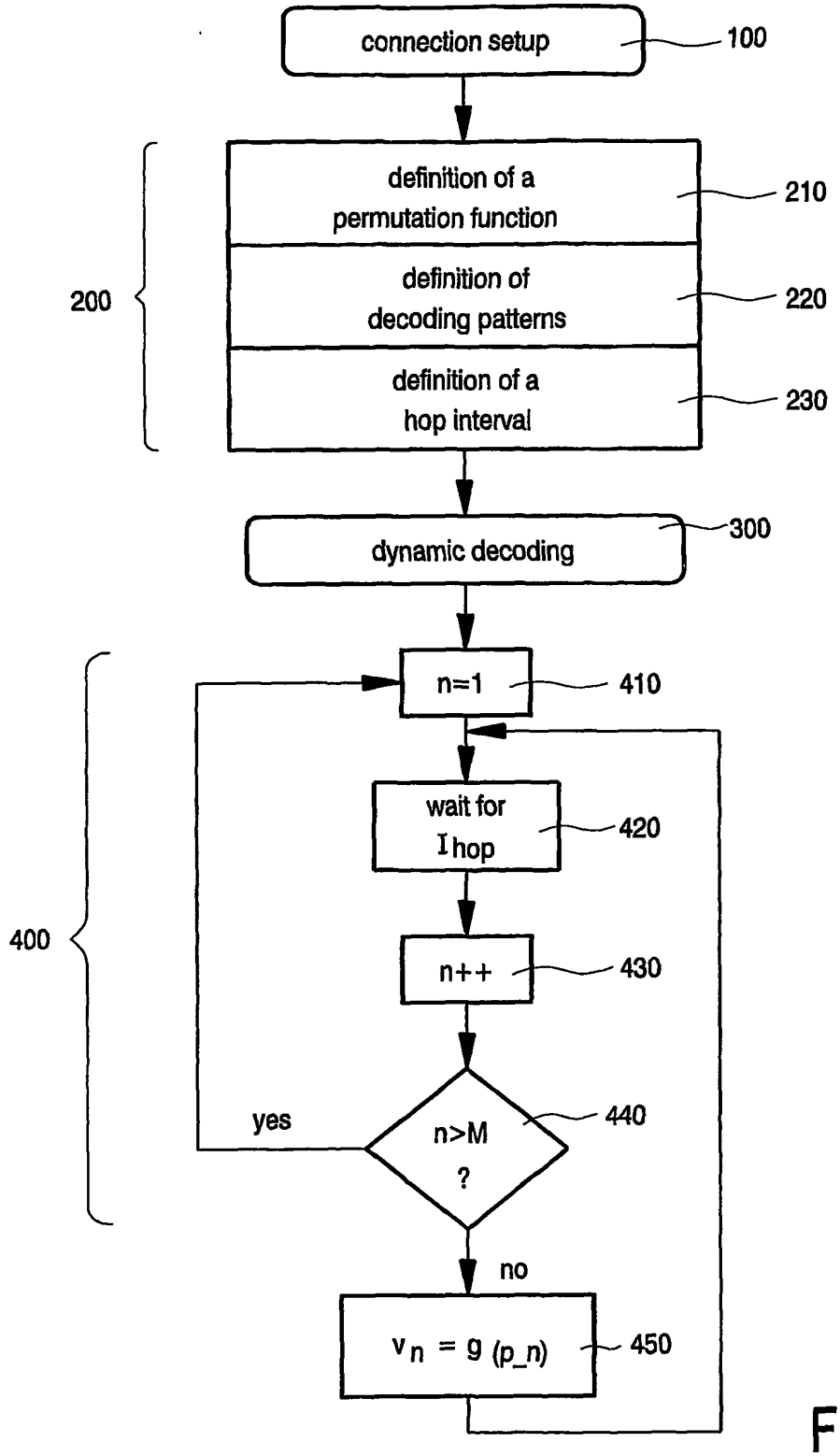
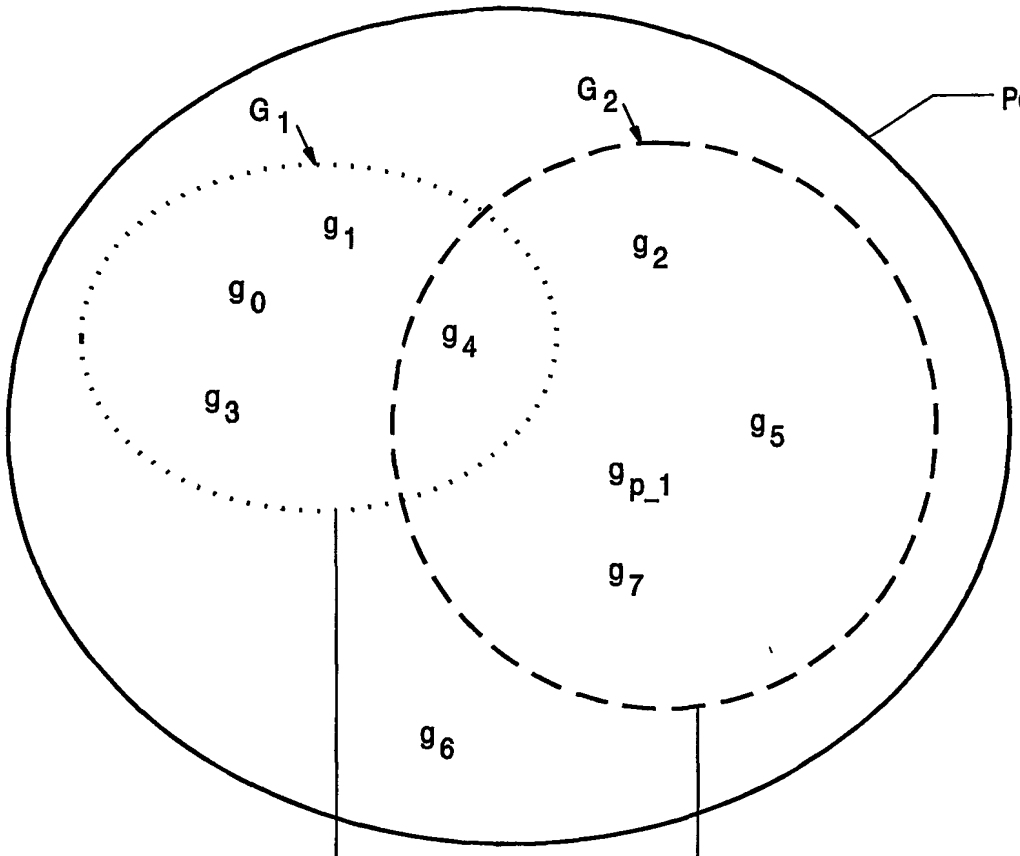

connection setup
100
definition of a permutation function
210
definition of decoding patterns
220
definition of a hop interval
230
200
dynamic decoding
300
n=1
410
wait for Ihop
420
n++
430
n>M ?
440
yes
no
$v_n = g(p_n)$
450
400

FIG. 5



if F = {5, 4, 7, 2, 7},
then v(t) = {g 5, g4, g7, g2, g7, g5, g4 ··· }
or if F = {7, 4, p_1, 2, 5},
then v(t) = {g 7, g4, gp_1, g2, g5, g7 ··· }

if F = {1, 3, 0, 4},
then v(t) = {g 1, g3, g0, g4, g1, g3, g0 ··· }
or if F = {4, 0, 3, 1},
then v(t) = {g 4, g0, g3, g1, g4, g0 ··· }

FIG. 6